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MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

on: Wed Aug 20 09:42:15 1997; MasPar time 18.26 Seconds 634.466 Million cell updates/sec

'apular output not generated.

Title: >US-08-469-637A-2

Description: (1-401) from US08469637A.pep (1 of 2)

Perfect Score: 3030

Description: (1-401) from US08469637A.pep (1 of 2)
Perfect Score: 3030
Sequence: 1 MNKLLCCALVFLDISIKWTT.....QKLFLEMIGNQVQSVKISCL 401

Scoring table: PAM 150 Gap 11

Searched: 91006 seqs, 28888923 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Database: pir51

1:ann1 2:ann2 3:ann3 4:ann4 5:unann1 6:unann2 7:unann3 8:unann4 9:unann5 10:unann6 11:unann7 12:unann8 13:unann9 14:unann10 15:unenc 16:unrev

Statistics: Mean 46.537; Variance 102.690; scale 0.453

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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21	20	19	18	17	16	15	14	13	12	11	10	9	œ	7	σ	CI	4	w	2	1	No.
162	172	178	186	207	213	215	220	221	221	230	233	260	260	269	294	294	303	375	377	398	Score
5.3					7.0	7.1	7.3	7.3	7.3	7.6						•		12.4	12.4	13.1	Query Match
260	455	595	461	425	427	416	461	454	454	138	349	435	325	326	305	289	277	474	459	461	Length
2	~	13	14	σ	N	ტ	N	2	14	16	œ	13	σ	2	14	14	13	σ	14	0	BG BG
A46517	GQHUT1	A42086	JC4302	A26431	GQHUN	JN0006	GQRTT1	GQMST1	I57826	S32385	D36858	I54182	B43692	GQVZML	A46476	A46515	A60771	B38634	I48854	A35356	ij
CD27 antigen precurs	tumor necrosis facto	CD30 antigen precurs	Š	fa	nerve growth factor	nerve growth factor	tumor necrosis facto	tumor necrosis facto	tumor necrosis facto	gene G4R protein - v	G4R protein - variol	tumor necrosis facto	•	•	CD40 - mouse	B cell-associated su	B-cell activation pr	tumor necrosis facto	gene murine tumour n	tumor necrosis facto	Description
1.55e-08	5.44e-10	7.07e-11	.49e-1	.75e-1	-	-	2.54e-17	\vdash	.77e-1	.62e-1	.20e-1	.43e-2	.43e-2	.14e-2	.21e-2	.21e-2	.84e-3	.24e-4	.46e-4	3.16e-47	Pred. No.
	162 5.3 260 2 A46517 CD27 antigen precurs 1.55e-	172 5.7 455 2 GQHUT1 tumor necrosis facto 5.44e- 162 5.3 260 2 A46517 CD27 antigen precurs 1.55e-	178 5.9 595 13 A42086 CD30 antigen precurs 7.07e-1 172 5.7 455 2 GQHUT1 tumor necrosis facto 5.44e-1 162 5.3 260 2 A46517 CD27 antigen precurs 1.55e-0	186 6.1 461 14 JC4302 tumor necrosis facto 4.49e-1 178 5.9 595 13 A42086 CD30 antigen precurs 7.07e-1 172 5.7 455 2 GQHUTI tumor necrosis facto 5.44e-1 162 5.3 260 2 A46517 CD27 antigen precurs 1.55e-0	207 6.8 425 6 A26431 nerve growth factor 2.75e-1 186 6.1 46114 JC4302 tumor necrosis facto 4.49e-1 178 5.9 595 13 A42086 CD30 antigen precurs 7.07e-1 172 5.7 455 2 GQHUTI tumor necrosis facto 5.44e-1 162 5.3 260 2 A46517 CD27 antigen precurs 1.55e-0	213 7.0 427 2 GQHUN nerve growth factor 3.20e-1 207 6.8 425 6 A26431 nerve growth factor 2.75e-1 186 6.1 461 14 JC4302 tumor necrosis facto 4.49e-1 178 5.9 595 13 A42086 CD30 antigen precurs 7.07e-1 172 5.7 455 2 GQHUT1 tumor necrosis facto 5.44e-1 162 5.3 260 2 A46517 CD27 antigen precurs 1.55e-0	215 7.1 416 6 JN0006 nerve growth factor 1.55e-1 213 7.0 427 2 GQHUN nerve growth factor 2.75e-1 207 6.8 425 6 A26431 nerve growth factor 2.75e-1 186 6.1 461 14 JC4302 tumor necrosis facto 4.49e-1 178 5.9 595 13 A42086 CD30 antigen precurs 7.07e-1 172 5.7 455 2 GQHUT1 tumor necrosis facto 5.44e-1 162 5.3 260 2 A46517 CD27 antigen precurs 1.55e-0	220 7.3 461 2 GORTTI tumor necrosis facto 2.54e-1 215 7.1 416 6 JUN006 nerve growth factor 1.55e-1 213 7.0 427 2 GOHUN nerve growth factor 3.20e-1 207 6.8 425 6 A26431 nerve growth factor 2.75e-1 186 6.1 461 14 JC4302 tumor necrosis facto 4.49e-1 178 5.9 595 13 A42086 CD30 antigen precurs 7.07e-1 162 5.3 260 2 A46517 CD27 antigen precurs 1.55e-0	221 7.3 454 2 GQMSTI tumor necrosis facto 1.77e-1 220 7.3 464 2 GQRTTI tumor necrosis facto 2.54e-1 215 7.1 416 6 JN0006 nerve growth factor 1.55e-1 213 7.0 427 2 GQHUN nerve growth factor 3.20e-1 207 6.8 425 6 A26431 nerve growth factor 2.75e-1 186 6.1 461 1 JC4302 tumor necrosis facto 4.49e-1 178 5.9 595 13 A42086 CD30 antigen precurs 7.07e-1 162 5.3 260 2 A46517 CD27 antigen precurs 1.55e-0	221 7.3 454 14 157826 tumor necrosis facto 1.77e-1 221 7.3 454 2 GOMSTI tumor necrosis facto 2.54e-1 220 7.3 461 2 GORTTI tumor necrosis facto 2.54e-1 221 7.1 416 JN0006 nerve growth factor 1.55e-1 213 7.0 427 2 GOHUN nerve growth factor 3.20e-1 207 6.8 425 6 A26431 nerve growth factor 2.75e-1 208 6.1 461 14 JC4302 tumor necrosis facto 4.49e-1 209 5.7 455 2 GOHUTI tumor necrosis facto 5.44e-1 209 6.2 5.3 260 2 A46517 CD27 antigen precurs 1.55e-0	230 7.6 138 16 S32385 gene G4R protein - 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256 14 B32393 274 14 S12783 277 14 S12783 277 14 JT48700 255 13 JT48753 255 13 A38142 2327 14 A46484 2327 14 A46484 2327 14 A46483 2336 13 JT383 234 13 JT383 235 13 A40036 237 13 A40036 237 13 A40036 237 13 A40036 237 14 A46484 247 15 S61037 25 11 S61037 25 12 S66443 25 11 JC60162 27 13 JC60162	л	4	ω	2	41	0	9	œ	7	σ	G	4	ω	2	1	0	9	80	7	σ	G	4	w	N
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ALIGNMENTS

#accession A48416 ##status pr #molecule_type mR ##residues 23 ##cross-references	#authors D #journal C #title T	#cross-references #accession A364 ##status ##molecule_type ##residues ##cross-reference #A484	rs al	#cross-references #cross-references #accession A353 #astatus ##status ##molecule_type ##residues ##cross-references REFERENCE A364	1 _NAMES S S
A48416 preliminary type mRNA; protein 23-461 ##label DEM erences NCBIN:63368; NCBIP:63371	authors Dembic, Z.; Loetscher, H.; Gubler, U.; Pan, Y.C.; Lahm, H.W.; Gentz, R.; Brockhaus, M.; Lesslauer, W. Journal Cytokine (1990) 2:231-237 title Two human TNF receptors have similar extracellular, but distinct intracellular, domain sequences. cross-references MUID:91370690	MID:91045991 preliminary mRNA 1-195,'R',197-461 ##label KOH ces GB:M38549	Kohno, T.; Brewer, M.T.; Baker, S.L.; Schwartz, P.E.; King, M.W.; Hale, K.K.; Squires, C.H.; Thompson, R.C.; Vannice, J.L. Proc. Natl. Acad. Sci. U.S.A. (1990) 87:8331-8335 A second tumor necrosis factor receptor gene product can shed a naturally occurring tumor necrosis factor inhibitor.	retrie family of cellular and viral proteins. cross-references MUID:90260639 accession A3356 ##status preliminary ##molecule_type mRNA ##residues 1-461 ##label SMI ##reoss-references GB:M32315 RENCE A36475	#type complete umor necrosis factor receptor type 2 precursor 5K tumor necrosis factor receptor formal name Homo sapiens #common_name man 4-Sep-1990 #sequence_revision 14-Sep-1990 #text 22-Nov-1996 35356; A36475; A48416; A36007; A23666; B35010; 35356; A36475; A48416; A36007; A23666; B35010; 35356; M.C.A.; Davis, T.; Anderson, D.; Solam, L.; mith, C.A.; Davis, T.; Anderson, D.; Solam, L.; Cience (1990) 248:1019-1023

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FEATURE
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#journal J. Biol. Chem. (1990) 265:1531-1536
#title Two tumor necrosis factor-binding proteins purified from human urine. Evidence for immunological cross-reactivity with cell surface tumor necrosis factor receptors.
#cross-references MUID:90110215
                  Query Match
Best Local Similarity 43.8%;
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78-119
120-162
164-201
  Matches
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#title Complementary DNA cloning of a receptor for tumor necrosis factor and demonstration of a shed form of the receptor. #cross-references MUID:90349572
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171,193
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J. Biol. Chem. (1990) 265:20131-20138
#title Purification and partial amino acid sequence analysis of two distinct tumor necrosis factor receptors from HL60 cells.
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##cross-references GB:M35857
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##residues 27-31 ##label ENG
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##residues 23-40;65-69;136-141;300-306 ##label LOE
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    63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cloning, sequencing and partial functional characterization of the 5' region of the human p75 tumor necrosis factor receptor encoding gene (TNF-R).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1p36.2-1p36.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kuhnert, P.; Kemper, O.; Wallach, Gene (1994) 150:381-386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A36007
                                                                                                                                                                                                                                                                                                                                                                    duplication; receptor; transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                        the list of introns is incomplete
#superfamily tumor necrosis factor receptor type
receptor repeat homology
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sequence extracted from NCBI backbone A36007
                                                                                   #length
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Conservative
                                                                                                                       #product tumor necrosis factor receptor type 2 *status experimental *label MAT\
*domain NGF receptor repeat homology *label NG1\
*domain NGF receptor repeat homology *label NG2\
*domain NGF receptor repeat homology *label NG3\
*domain NGF receptor repeat homology *label NG3\
*domain NGF receptor repeat homology *label NG4\
*domain transmembrane *status predicted *label INT\
*domain intracellular *status predicted *label INT\
*domain intracellular *status predicted *label INT\
*binding_site carbohydrate (Asn) (covalent) *status
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                                                                                                       predicted
                                                                                        461
                                                                                     #molecular-weight 48291 #checksum
Score 398; DB 6;
Pred. No. 3.16e-47;
19; Mismatches 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NID: g666044;
                                          DB 6; Length 461;
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Matches
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#authors Lewis, M.; Tartaglia, L.A.; Lee, A.; Bennett, G.L.; Rice G.C.; Wong, G.H.W.; Chen, E.Y.; Goeddel, D.V.
#journal Proc. Natl. Acad. Sci. U.S.A. (1991) 88:2830-2834
#title Cloning and expression of cDNAs for two distinct murine necrosis factor receptors demonstrate one receptor is species specific.
#cross-references MUID:91187885
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*accession I48854
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##residues 1-459 ##label
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                                                                                                                                                                                                                                                                                                                                                                                                                                  'tkqqnrvcaceagrycalkthsgscrqcmrlskcgpgfgvassrapngnvlckacapgtf 156
'thqqnrvcaceagrycalkthsgscrqcmrlskcgpgfgvassrapngnvlckacapgtf 156
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Similarity 41.5%;
66; Conservative
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Allelic variation of the type 2 tumor necrosis factor
                                                                                                                                                                                           B38634 #type complete
tumor necrosis factor receptor type 2 precursor - mouse
#formal_name Mus musculus #common_name house mouse
30-Jun-1992 #sequence_revision 30-Jun-1992 #text_change
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#length 459 #checksum 3156
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02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change
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Pred. No. 1.46e-43;
21; Mismatches 61;
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1; NID:g433830;
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##molecule_type mRNA

##cross-references GB:M60469

1-474 ##label LEW

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ACCESSIONS
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REFERENCE A60771
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79-120
166-203
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#journal
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#accession A40254
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 #journal
                                                                                                                              #cross-references MUID:89356608
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                                authors
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##cross-references EMBL:X87128
FICATION #superfamily tumor necrosis factor receptor type
receptor repeat homology
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##cross-references GB:M60469
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                                                                                             ##molecule_type mRNA
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Similarity 41.5%;
66; Conservation
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#formal_name Homo sapiens #common_name man
03-Jun-1993 #sequence_revision 03-Feb-1994 #text_change
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#product tumor necrosis factor receptor type 2 #status
predicted #label MAT\
#domain NGF receptor repeat homology #label NG2\
#domain NGF receptor repeat homology #label NG2\
#domain NGF receptor repeat homology #label NG4
#length 474 #mólecular-weight 50319 #checksum 7767
Braesch-Andersen, S.; Paulie, Aspenstroem, P.; Perlmann, J. Immunol. (1989) 142:562-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     submitted to the EMBL Data Library, May 1995 Characterization of the promoter region of the murine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Goodwin, R.G.; Anderson, D.; Jerzy, R.; Davis, T.; Brannan, C.I.; Copeland, N.G.; Jenkins, N.A.; Smith, C.A. Mol. Cell. Biol. (1991) 11:3020-3026
Molecular cloning and expression of the type 1 and type 2 murine receptors for tumor necrosis factor.
                                                                                                               S04460
                                                                                                                                                        Stamenkovic, I., Clark, E.A., Seed, B. EMBO J. (1989) 8:1403-1410 A B-lymphocyte activation molecule related to the growth factor receptor and induced by cytokines
                                                                                                                                                                                                                             S04460
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                                                                                                                                              carcinomas
                                                                                 1-277 ##label
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KEYWORDS |
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#cross-references_MUID:93094586
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ap_position 20q12-20q13.2
RDS B-cell; glycoprotein; phosphoprotein; transmembrane protein
                                                                                                                                                                                                                                           ##status preliminary; not compared with conceptual ##molecule_type nucleic acid ##residues 1-289 ##label GRI ##cross-references NCBIP:120357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ##experimental_source Burkitt lymphoma cell line
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##residues 21-50 ##label
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taesdtvctckegghctskdceacaqhtpc1pgfgvmematettdtvchpcpvgffsnqs 155
                                                              CDKCPPGTYLKQHCTAKWKTVCAPCPDHYYTDSWHTSDEC-LY--CSPVCKELQYVKQEC 97
                                                                                             cdlcqpgsrltshctalektqchpcdsgefsaqwnreirchqhrhcepn-qglr-vkkeg 95
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Similarity 36.8%;
56; Conservative
                                                                                                                                                     h 9.7%;
Similarity 38.8%;
59; Conservative
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E.A.; Howard, M.; Cockayne, D.A.
J. Immunol. (1992) 149:3921-3926
Genomic structure and chromosomal mapping
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B cell associated surface molecule CD40 - mouse
#formal_name Mus musculus #common_name house mouse
18-Jun-1993 #sequence_revision 18-Nov-1994 #text_change
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#domain transmembrane #status predicted #label TMM\
#domain intracellular #status predicted #label CYT\
#binding_site carbohydrate (Asn) (covalent) #status
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                                                                                                                                                     Score 294; DB 14;
Pred. No. 2.21e-29;
20; Mismatches 65
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Pred. No. 6.84e-31;
21; Mismatches 67;
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 SUMMARY
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Best Local
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#title Differential increase of an alternatively polyadenylated mRNA
species of murine CD40 upon B lymphocyte activation.
fcross-references MUID:92105763
accession A46476
                                                                                                                                                                                                                                                                                       #authors
#journal
#title
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#accession A40566
                                   66,181,205,238
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##cross-references NCBIN:75206; NCBIP:75207
##note sequence extracted from NCBI backbone
##note #length 305 #molecular-weight 33617 #chec
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A46476
                                                                                                                                                                                                                                                 Myxoma virus expresses a secreted protein with homology the tumor necrosis factor receptor gene family that contributes to viral virulence.
                                                                                                                                         #superfamily myxoma virus T2 protein;
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#formal_name myxoma virus
31-Dec-1992 #sequence_revision 31-Dec-1992 #text_change
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18-Jun-1993 #sequence_revision 18-Nov-1994 #text_change
                                                                                                      glycoprotein
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#length
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                                #domain NGF receptor repeat homology #label
#domain NGF receptor repeat homology #label
#binding_site carbohydrate (Asn) (covalent)
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#molecular-weight 35208
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Pred. No. 2.21e-29;
20; Mismatches 65
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                                    #journal Genomics (1993) 16:214-218

#title Construction and evaluation of a hncDNA library of human 12p

transcribed sequences derived from a somatic cell hybrid.

#cross-references MUID:93252381
                                                                                                                               #authors
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Similarity 30.5%;
51; Conservation
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Similarity 33.8%;
47; Conservative
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Tumorigenic poxviruses: genomic organization and DNA sequence of the telomeric region of the Shope fibroma virus genome. B43692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               B43692 #type complete
T2 protein - rabbit fibroma virus
#formal_pame rabbit fibroma virus, Shope fibroma virus
30.Sep-1993 #sequence_revision 30-Sep-1993 #text_change
26-Apr-1996
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#domain NGF receptor repeat homology #label
#length 325 #molecular-weight 35132 #checksum 4
                                                                                                                                                                                                                                                 I54182 #type complete tumor necrosis factor receptor 2-related protein - human
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                                                                                                                               Baens, M.; Chaffanet, M.; Cassiman,
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preliminary;
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Pred. No. 3.14e-25;
25; Mismatches 58;
translated
  from
GB/EMBL/DDBJ
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Best Local Similarity 32.0%;
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INCE $46868
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##residues
1-435 ##label RES
##cross-references GB:L04270; NID:9339761; CDS_PID:9339762
##cross-references GB:L04270; NID:9339761; CDS_PID:9339762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ##residues 1-349 ##label KOL
##scross-references EMBL:X67112
##scross-references EMBL:X67117
##experimental_source strain India-1967, isolate Ind3
##EXPERIMENTAL PROPERTY OF TREE TOWN OF TWENT OF TREE TOWN OF TREE TOWN OF TREE TOWN OF TREE TOWN OF TREE
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121 ssgckacvsqtkcg1gygvs-ghtsvgdv1cspcgfgtyshtvssadkc 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ##cross-references GB:X69198
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Local Similarity 32.3%;
les 52; Conservation
                                                                                      58
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                                                                                                                                                                                              MNKLLCCALVFLD-ISIKWTTQETFPPKYLHYDE-E-TSHQLLCDKCPPGTYLKQHCTAK
                                                                                   WKTVCAPCPDHYYTDSWHTSDECLYCSPVCKELQYVKQECNRTHNRVCECKEGRY--LE-
                                                                                                                                    tntqctpcgsgtftsrnnhlpaclscngrcnsnqvetrscntthnricecspgyycllkg 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolykhalov, A.A.; Blinov, V.M.; Gytorov, V.V.; Pozdnyakov, S.G.; Chizhikov, V.E.; Frolov, I.V.; Totmenin, A.V.; Shchelkunov, S.N.; Sandakhchiev, L.S. submitted to the EMBL Data Library, April 1992 Nucleotide sequence analysis of the region of variola viruxhoI F O H P Q genome fragment.
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G4R protein - variola virus
B28R protein (COP)
#formal_name variola virus
30-Sep-1993 #sequence_revision
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D36858
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#domain NGF receptor repeat homology #label NG3
#length 349 #molecular-weight 38189 #checksum 2016
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                                                                                                                                                                                                                                                                                                         Score 233; DB 8; Length 349; Pred. No. 2.20e-19; 26; Mismatches 79; Indels
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LQYVK-QECNRTHNRVCECKEG---RYL-EIEF-CLKHRSCPPGFGVVQAGTPERNTVCK 143
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#title Genomic organization and promoter function tumor necrosis factor receptor beta gene #cross-references MUID:93156721 #accession 157826
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##cross-references EMBL:X69198
#Length 138 #checksum
109 msqveispcqadkdtvcgckenqfqrylsethfqcvdcspcfng-tvtipcketqntvcn 167
                                                                                                                                                                                                                                                                                                                                                             **scatus
##molecule_type DNA
##morecule_type DNA
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Local Similarity 35.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             97 CNRTHNRVCECKEGRY--LE--IE--FCLKHRSCPPGFGVVQAGTPERNTVCKRCPDGFF 150
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10 hnlcclscppgtyasrlcdsktntqctpcgsgtftsrnnhlpaclscngrcnsnqvetrs 69
                                                                            yvhsknnsicctkchkgtylvsdcpspgrdtvcrecekgtftasqnylrqclscktcrke 108
                                                  YDEETSHQLLCDKCPPGTYLKQHCTAK-WKTVCAPCPDHYYTDSWHTSDECLYCSPVCKE
                                                                                                                                        h 7.3%;
Similarity 33.1%;
48; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mol.
                                                                                                                                                                                                                              13/3; 65/1; 108/1; 158/1; 184/2; 210/1; 248/1; 257/3; gene name TNFR-2 #length 454 #molecular-weight 50030 #checksum 4267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Shchelkunov, S.N.; Blinov, V.M.; Sandakhchiev, L.S. FEBS Lett. (1993) 319:80-83 Genes of variola and vaccinia viruses necessary to overcome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                157836 #type complete
tumor necrosis factor receptor - mouse
#formal_name Mus musculus #common_name house mouse
02-aug-1996 #sequence_revision 02-Aug-1996 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rothe, J.G.;
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gene G4R protein - variola virus (fragment)
#formal name Variola virus
22.Nov-1993 #sequence_revision 22-Nov-1993 #text_change
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02-Aug-1996
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Pred. No. 6.62e-19;
19; Mismatches 58
                                                                                                                                     Score 221; DB 14; L
Pred. No. 1.77e-17;
21; Mismatches 65;
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#title
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#title Molecular cloning and expression of the type 1 and type 2
#cross-references MUID:91246168
#accession %10754
                                                                                                                                                                                                                                                                             #journal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #authors Barrett, K.; Taylor-Fishwick, D.A.; Cope, A.P.; Kisson A.M.; Gray, P.W.; Feldmann, M.; Foxwell, B.M.J.
#journal Eur. J. Immunol. (1991) 21:1649-1656
#title Cloning, expression and cross-linking analysis of the p55 tumor necrosis factor receptor.
#cross-references_MUID:91285014
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                ##residues 1-454 ##label RES
##cross-references GB:L26349; NID:g430732; CDS_PID:g430733
T This protein is one of two distantly related receptors for bot TNF-alpha (cachectin) and TNF-beta (lymphotoxin)
FICATION #superfamily tumor necrosis factor receptor type 1; NGF
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tumor necrosis factor receptor type 1 precursor - mouse
tumor necrosis factor receptor, 55K
#formal_name Mus musculus #common_name house mouse
30-Jun-1992 #sequence_revision 30-Jun-1992 #text_change
18-Oct-1996
                                                                                                                                                                                                                           Immunogenetics (1994) 39:450-451
Nucleotide sequence of the TNF t
endothelioma cell line.
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Best Local Similarity 33.1%;
Matches 48; Conservative
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#cross-references MUID:91090841
#accession B36555
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NT This protein is one of two known receptors for both TNF-alpha (cachectin) and TNF-beta (lymphotoxin).

IFICATION #superfamily tumor necrosis factor receptor type 1; NGF receptor repeat homology duplication; glycoprotein; receptor; transmembrane protein
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tumor necrosis factor binding protein 1 (TNF blocking factor)
#formal_name Rattus norvegicus #common_name Norway rat
30-Jun-1992 #sequence_revision 07-Oct-1994 #text_change
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#product tumor necrosis factor binding protein #status
predicted #label TBP\
#domain NGF receptor repeat homology #label NG2\
#domain NGF receptor repeat homology #label NG2\
#domain NGF receptor repeat homology #label NG4\
#domain NGF receptor repeat homology #label NG4\
#domain transmembrane #status predicted #label NEN\
#domain intracellular #status predicted #label NEN\
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#domain NGF receptor repeat homology #label NG3\
#domain NGF receptor repeat homology #label NG4\
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#domain transmembrane #status predicted #label NEM\
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predicted #label MAT\
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                                                                                                            #binding_site carbohydrate (Asn)
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                #molecular-weight 50969
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Pred. No. 1,77e-17;
21; Mismatches 65
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REFERENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #authors Large, T.H.; Weskamp, G.; Helder, J.C.; Radeke, M.J.; Misko, T.P.; Shooter, E.M.; Reichardt, L.F.
#journal Neuron (1989) 2:113-1134
#title Structure and developmental expression of the nerve growth factor receptor in the chicken central nervous system.
#cross-references_MUID:90166579
                                                                                                                                                                                                                                                                                                                        21-416
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ##status preliminary; not compared with conceptual translation
##molecule_type mRNA
##residues 21_35,'Y',37-172,'K',174-275,'S',277-395,'R',397-416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ##residues 1-416 ##label LAR
##experimental_source embryonic chick brain
NCE A60504
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Local Similarity 33.8%;
hes 49; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ##label HEU

This receptor is found on sensory and sympathetic neurons, on neuroblastoma cells, and on a variety of nonneuronal derivatives of the neural crest.

The cysteine-rich region of the extracellular domain may form part or all of the NGF-binding site.

This protein is thought to form a high-affinity receptor when it associates with the 140% trk proto-oncogene, which contains an intracellular tyrosine kinase domain.

#superfamily nerve growth factor receptor; NGF receptor
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nerve growth factor receptor, low affinity - chicken
NGF receptor
#formal_name Gallus gallus #common_name chicken
07-Jun-1990 #sequence_revision 07-Jun-1990 #text_change
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Structure and developmental expression of the chicken NGF
                                                                                                                                                                                                                                                                                                                                                                                                       duplication; glycoprotein; heterodimer; monomer;
phosphoprotein; receptor; transmembrane protein
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                                                                           #domain extracellular #status predicted #label EXT\
#region cysteine-rich\
#domain NGF receptor repeat homology #label NG1\
#domain NGF receptor repeat homology #label NG2\
#domain NGF receptor repeat homology #label NG3\
#domain NGF receptor repeat homology #label NG4\
#region serine/threonine-rich\
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#product nerve growth factor receptor #status predicted
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binding_site carbohydrate (Asn) (covalent) #status
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                                                                                                                   154 dpclpcticeenevmvke-ctatsdaec 180
                                                                                                                                                          100 THNRVCECKEGRYL-EIE-FCLKHRSCPPGFGVVQAGTPERNTVCKRCPDGFFSNETSSK 157
                                                                                                                                                                                                                                   94 sddavcrcaygyfqdelsgsckecsicevgfglmfpcrdsqdtvceecpegtfsdeanfv 153
                                                                               APCRKHTNCSVFGLLLTQKGNATHDNIC 185
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